

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Keiichi YOKOYAMA et al

SERIAL NO: New U.S. Application

FILED: Herewith

FOR: PROCESS FOR PRODUCING MICROBIAL GLUTAMINASE



GAU:

EXAMINER:

**INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449 were mentioned in Parent Application Serial No. 09/448,310 filed November 24, 1999.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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MAIER & NEUSTADT, P.C.

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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
216547USOCONTSERIAL NO.  
New Application

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Keiichi YOKOYAMA et al.

FILING DATE

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GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
AA	5,736,356	04/07/98	Sano et al.			
AB	5,156,956	10/20/92	Motoki et al.			
AC	5,514,573	05/07/96	Yasueda et al.			
AD	5,731,183	03/24/98	Kobayashi et al.			
AE	6,013,498	1/2000	Yokoyama et al.			
AF						
AG						
AH						
AI						
AJ						
AK						
AL						
AM						
AN						

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
AO	0 481 504	04/22/92	EUROPE		
AP	64-27471	01/30/89	JAPAN (English Abstract provided)		X
AQ	1-50382	10/30/89	JAPAN (English Abstract provided)		X
AR	5-199883	08/10/93	JAPAN (English Abstract provided)		X
AS	6-30771	02/08/94	JAPAN (English Abstract provided)		X
AT	WO 96/22366	07/25/96	WIPO		
AU	WO 96/06931	03/07/96	WIPO		
AV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

AW	Shino Takehana et al., "CHEMICAL SYNTHESIS OF THE GENE FOR MICROBIAL TRANSGLUTAMINASE FROM <i>STREPTOVERTICILLIUM</i> AND ITS EXPRESSION IN <i>ESCHERICHIA COLI</i> ", Biosci. Biotech. Biochem., Vol. 58, No. 1, pp. 88-92, 1994.
AX	Misako KAWAI et al., "HIGH-LEVEL EXPRESSION OF THE CHEMICALLY SYNTHESIZED GENE FOR MICROBIAL TRANSGLUTAMINASE FROM <i>STREPTOVERTICILLIUM</i> IN <i>Escherichia coli</i> ", Biosci. Biotech. Biochem., Vol. 61, No. 5, pp. 830-835, May 1997.
AY	Arie Ben-Bassat et al., "PROCESSING OF THE INITIATION METHIONINE FROM PROTEINS: PROPERTIES OF THE <i>ESCHERICHIA COLI</i> METHIONINE AMINOPEPTIDASE AND ITS GENE STRUCTURE", Journal of Bacteriology, Vol. 169, No. 2, pp. 751-757, 1987.
AZ	Roohaida Othman et al., "HUMAN NON-PANCREATIC (GROUP II) SECRETED PHOSPHOLIPASE A <sub>2</sub> EXPRESSED FROM A SYNTHETIC GENE IN <i>ESCHERICHIA COLI</i> : CHARACTERISATION OF N-TERMINAL MUTANTS", Biochem. Biophys. Acta, Vol. 1303, No. 2, pp. 92-102, 1996.

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449  
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AAA

Koji Ikura et al., "AMINO ACID SEQUENCE OF GUINEA PIG LIVER TRANSGLUTAMINASE FORM ITS cDNA SEQUENCE", Biochemistry, Vol 27, pp. 2898-2905, 1988.

AAB

M. A. Phillips et al., "PRIMARY STRUCTURE OF KERATINOCYTE TRANSGLUTAMINASE", Proc. Natl. Acad. Sci. USA, Vo. 87, pp. 9333-9337, December 1990.

AAC

Akitada Ichinose et al, "AMINO ACID SEQUENCE OF THE A SUBUNIT OF HUMAN FACTOR XIII", Biochemistry, Vol. 25, pp. 6900-6906, 1986.

AAD

A. Ben-Bassat et al., "AMINO-TERMINAL PROCESSING OF PROTEINS", Nature, Vo. 326, p. 315, March 19, 1987.

AAE

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COPY

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	AAJ					
	AAK					
	AAL					
	AAM					
	AAN					

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	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
	AAO				
	AAP				
	AAO				
	AAP				
	AAS				
	AAT				
	AAU				
	AAV				

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AWA	DEVLIN et al., "Alteration of amino-terminal codons of human granulocyte-colony-stimulating factor increases expression levels and allows efficient processing by methionine aminopeptidase in Escherichia coli. GENE, vol. 65, 1988, pages 13-22.
	AXA	
	AYA	
	AZA	

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